查询RF3805PCBA-414供应商

RF MICRO·DEVICES

Proposed

RF3805

GaAs HBT PRE-DRIVER AMPLIFIER

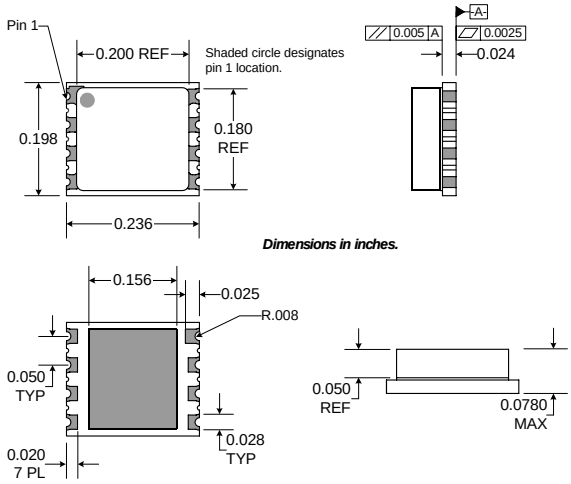
Typical Applications

- GaAs HBT Pre-Driver for Basestation Amplifiers
- Power Amplifier Stage for Commercial Wireless Infrastructure
- Class AB Operation for GSM/EDGE/ CDMA2000/W-CDMA Transmitter Applications

Product Description

The RF3805 is specifically designed for wireless infrastructure applications. Using a highly reliable GaAs HBT fabrication process, this high-performance dual-stage amplifier achieves high output power over a broad frequency range. The RF3805 amplifier also provides excellent efficiency and thermal stability through the use of a thermally-enhanced surface-mount AlN package. Ease of integration is accomplished through the incorporation of an optimized evaluation board design provided to achieve proper 50Ω operation. Various evaluation board configurations are available to address a broad range of wireless infrastructure applications:

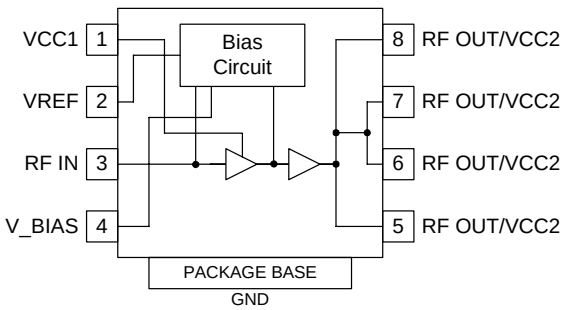
- GSM/EDGE1800
- CDMA2000
- W-CDMA



Package Style: AIN

Optimum Technology Matching® Applied

- ☐ Si BJT
- ☑ GaAs HBT
- ☐ GaAs MESFET
- ☐ Si Bi-CMOS
- ☐ SiGe HBT
- ☐ Si CMOS
- ☐ InGaP/HBT
- ☐ GaN HEMT
- ☐ SiGe Bi-CMOS



Functional Block Diagram

Features

- 5W Output Power
- High Linearity
- 40% Power-Added Efficiency
- Thermally-Enhanced AlN Packaging
- Broadband Platform Design Approach

Ordering Information

RF3805	GaAs HBT Pre-Driver Amplifier
RF3805PCBA-411	Fully Assembled Evaluation Board - 1625 to 1665
RF3805PCBA-412	Fully Assembled Evaluation Board - 1710 to 1785
RF3805PCBA-413	Fully Assembled Evaluation Board - DCS1800
RF3805PCBA-414	Fully Assembled Evaluation Board - PCS1900
RF3805PCBA-415	Fully Assembled Evaluation Board - UMTS2100

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